



MATERIAL SAFETY DATA SHEET

Product Name: **"IceSlicer™ Caliber Elite"**
Manufacturers: Envirotech Services, Inc.
Redmond Minerals, Inc.

Date Prepared: June 19, 2000
Address: P.O. Box 338, Kersey, CO 80644
P.O. Box 219, Redmond, UT 84652

Telephone #: (970) 352-8845

Transportation Emergency:

SECTION I: Hazardous Ingredients

INGREDIENT CAS NUMBER	MAX. % W/W	SARA Applies			AIR CONTAMINANT LEVELS				
		312	313	372	TWA/TLV (ppm)	STEL (ppm)	CEIL (ppm)	SKIN	AGENT
Nitrilo Tris (Methylene Phosphonic Acid) CAS # 6419-19-8	< 1.0	Y	N	N					
Phosphoric Acid	< 0.1	Y	Y	Y	0.25	0.75		N	OSHA
Orthophosphoric Acid CAS # 766-38-2					0.25	0.75		N	ACGIH

SECTION II: Physical/Chemical Characteristics

Boiling Point:	N/D	Solubility in Water:	96%
Vapor Pressure:	N/D	Vapor Density:	ND
Evaporation Rate:	N/D	Freezing Point:	N/D
Solubility in Water:	Soluble	Melting Point:	Partial decomposition at 116 - 118°C
Appearance and Odor:	Colorless to lightly colored liquid, sharp odor		

SECTION III: Reactivity Data

STABILITY: Stable

INCOMPATIBILITY: Leather

HAZARDOUS DECOMPOSITION PRODUCTS: If evaporated to dryness and heated above 900°F, acidic vapors may occur.

HAZARDOUS POLYMERIZATION: Will not occur

SECTION IV: Health Hazard Data

POTENTIAL EFFECTS OF EXPOSURE:

EYES: Mild irritant may cause transient cornea injury with prolonged contact and reduced natural irrigation.
SKIN: Prolonged contact without normal hygiene may cause irritation and skin dryness.
INHALATION: Inhalation may cause irritation to nose, lungs, and chest.
INGESTION: Ingestion may cause nausea in large quantities.

FIRST AID:

EYES: Flush with water. Use over the counter eye drops if necessary and compatible with worker.
SKIN: Normal hygiene, wash with mild soap and water, rinse.
INHALATION: Remove to fresh air
INGESTION: Give lukewarm water (1 pint) – induce vomiting.

SECTION V: Special Protection

PROTECTIVE EQUIPMENT: EYES: Safety glasses.

SKIN: Rubber gloves recommended, but not normally necessary with normal hygiene.

INHALATION: Not normally necessary. In confined space, provide adequate ventilation to protect against dust.

WASTE DISPOSAL METHOD: Dispose in accordance with federal, state, or local regulations.

PRECAUTIONS TO TAKEN IN HANDLING AND STORAGE: Material is deliquescent, caking may occur with moisture and long-time storage. Practice reasonable care and cautions associated with storing salt.

SECTION VI: Fire & Explosion Hazard Data

Flash Point: N/A Flammable Limits: N/A

HMIS: Health 0
 Fire 0
 React 0
 Special 0

EXTINGUISHING MEDIA: None.

FIRE FIGHTING PROCEDURES: Contain runoff from fire fighting adjacent fires.

UNUSUAL FIRE & EXPLOSION HAZARDS: None.

SECTION VII: Spill and Control Measures

Protect against flooding and excess water. Control runoff as with any salt stockpile.

SECTION VIII: Additional Information

The information contained in this Material Safety Data Sheet is, to the best of our knowledge, accurate and reliable. No warranty of any kind is either expressed or implied.

Provide this information to all individuals handling this product. Follow federal, state, and local regulations when handling this product.

Prepared By: E. G. “Greg” Leist and Dick Nelson